

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
18 August 2005 (18.08.2005)

PCT

(10) International Publication Number
WO 2005/076214 A1

(51) International Patent Classification⁷: **G06T 7/00**,
G01B 11/25

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(21) International Application Number:
PCT/GB2005/000344

(81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(22) International Filing Date: 3 February 2005 (03.02.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0402565.5 5 February 2004 (05.02.2004) GB

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(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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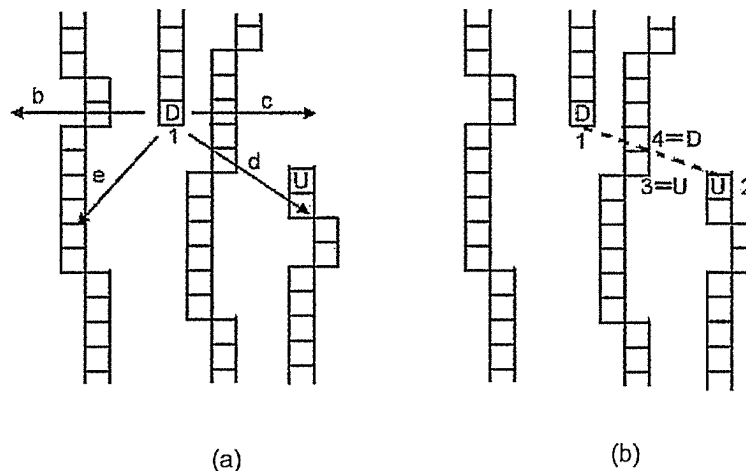
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Declaration under Rule 4.17:

— *of inventorship (Rule 4.17(iv)) for US only*

[Continued on next page]

(54) Title: METHOD AND SYSTEM FOR IMAGE PROCESSING FOR PROFILING WITH UNCODED STRUCTURED LIGHT



(57) Abstract: A 3D scanning apparatus configured to image a physical entity comprises a radiation projector for projecting a plurality of radiation stripes onto the physical entity, a detector for detecting striped radiation received from the physical entity; and a data storage device for storing the received radiation as a pixelated bitmap image, the apparatus characterised in that the physical entity, the radiation projector and the detector are geometrically arranged to constrain the number of times that each received stripe is permitted to occur in a given pixel row of the bitmap, the geometric constraint determining a stored occlusion classification comprising a plurality of types of occlusions and the apparatus additionally comprising an occlusion type processing means configured to utilise the classification for detecting the various types of occlusions in said received image data.



Published:

— with international search report

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